

1

ATG	AAA	GCG	ATC	TTA	ATC	CCA	TTT	TTA	TCT	CTT	CTG	ATT	CCG	TTA	ACC	CCG
Met	Lys	Ala	Ile	Leu	Ile	Pro	Phe	Leu	Ser	Leu	Leu	Ile	Pro	Leu	Thr	Pro
CAA	TCT	GCA	TTC	GCT	CAG	AGT	GAG	CCG	GAG	CTG	AAG	CTG	GAA	AGT	GTG	GTG
Gln	Ser	Ala	Phe	Ala	Gln	Ser	Glu	Pro	Glu	Leu	Lys	Leu	Glu	Ser	Val	Val
ATT	GTC	AGT	CGT	CAT	GGT	GTG	CGT	GCT	CCA	ACC	AAG	GCC	ACG	CAA	CTG	ATG
Ile	Val	Ser	Arg	His	Gly	Val	Arg	Ala	Pro	Thr	Lys	Ala	Thr	Gln	Leu	Met
CAG	GAT	GTC	ACC	CCA	GAC	GCA	TGG	CCA	ACC	TGG	CCG	GTA	AAA	CTG	GGT	TGG
Gln	Asp	Val	Thr	Pro	Asp	Ala	Trp	Pro	Thr	Trp	Pro	Val	Lys	Leu	Gly	Trp
CTG	ACA	CCG	CGN	GGT	GGT	GAG	CTA	ATC	GCC	TAT	CTC	GGA	CAT	TAC	CAA	CGC
Leu	Thr	Pro	Arg	Gly	Gly	Glu	Leu	Ile	Ala	Tyr	Leu	Gly	His	Tyr	Gln	Arg
CAG	CGT	CTG	GTA	GCC	GAC	GGA	TTG	CTG	GCG	AAA	AAG	GGC	TGC	CCG	CAG	TCT
Gln	Arg	Leu	Val	Ala	Asp	Gly	Leu	Leu	Ala	Lys	Lys	Gly	Cys	Pro	Gln	Ser
GGT	CAG	GTC	GCG	ATT	ATT	GCT	GAT	GTC	GAC	GAG	CGT	ACC	CGT	AAA	ACA	GGC
Gly	Gln	Val	Ala	Ile	Ile	Ala	Asp	Val	Asp	Glu	Arg	Thr	Arg	Lys	Thr	Gly
GAA	GCC	TTC	GCC	GCC	GGG	CTG	GCA	CCT	GAC	TGT	GCA	ATA	ACC	GTA	CAT	ACC
Glu	Ala	Phe	Ala	Ala	Gly	Leu	Ala	Pro	Asp	Cys	Ala	Ile	Thr	Val	His	Thr
CAG	GCA	GAT	ACG	TCC	AGT	CCC	GAT	CCG	TTA	TTT	AAT	CCT	CTA	AAA	ACT	GGC
Gln	Ala	Asp	Thr	Ser	Ser	Pro	Asp	Pro	Leu	Phe	Asn	Pro	Leu	Lys	Thr	Gly
GTT	TGC	CAA	CTG	GAT	AAC	GCG	AAC	GTG	ACT	GAC	GCG	ATC	CTC	AGC	AGG	GCA
Val	Cys	Gln	Leu	Asp	Asn	Ala	Asn	Val	Thr	Asp	Ala	Ile	Leu	Ser	Arg	Ala
GGA	GGG	TCA	ATT	GCT	GAC	TTT	ACC	GGG	CAT	CGG	CAA	ACG	GCG	TTT	CGC	GAA
Gly	Gly	Ser	Ile	Ala	Asp	Phe	Thr	Gly	His	Arg	Gln	Thr	Ala	Phe	Arg	Glu
CTG	GAA	CGG	GTG	CTT	AAT	TTT	CCG	CAA	TCA	AAC	TTG	TGC	CTT	AAA	CGT	GAG
Leu	Glu	Arg	Val	Leu	Asn	Phe	Pro	Gln	Ser	Asn	Leu	Cys	Leu	Lys	Arg	Glu
AAA	CAG	GAC	GAA	AGC	TGT	TCA	TTA	ACG	CAG	GCA	TTA	CCA	TCG	GAA	CTC	AAG
Lys	Gln	Asp	Glu	Ser	Cys	Ser	Leu	Thr	Gln	Ala	Leu	Pro	Ser	Glu	Leu	Lys
GTG	AGC	GCC	GAC	AAT	GTC	TCA	TTA	ACC	GGT	GCG	GTA	AGC	CTC	GCA	TCA	ATG
Val	Ser	Ala	Asp	Asn	Val	Ser	Leu	Thr	Gly	Ala	Val	Ser	Leu	Ala	Ser	Met
CTG	ACG	GAG	ATA	TTT	CTC	CTG	CAA	CAA	GCA	CAG	GGA	ATG	CCG	GAG	CCG	GGG
Leu	Thr	Glu	Ile	Phe	Leu	Leu	Gln	Gln	Ala	Gln	Gly	Met	Pro	Glu	Pro	Gly
TGG	GGA	AGG	ATC	ACC	GAT	TCA	CAC	CAG	TGG	AAC	ACC	TTG	CTA	AGT	TTG	CAT
Trp	Gly	Arg	Ile	Thr	Asp	Ser	His	Gln	Trp	Asn	Thr	Leu	Leu	Ser	Leu	His
AAC	GCG	CAA	TTT	TAT	TTG	CTA	CAA	CGC	ACG	CCA	GAG	GTT	GCC	CGC	AGC	CGC
Asn	Ala	Gln	Phe	Tyr	Leu	Leu	Gln	Arg	Thr	Pro	Glu	Val	Ala	Arg	Ser	Arg
GCC	ACC	CCG	TTA	TTG	GAT	TTG	ATC	ATG	GCA	GCG	TTG	ACG	CCC	CAT	CCA	CCG

FIG. 1A

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Ala	Thr	Pro	Leu	Leu	Asp	Leu	Ile	Met	Ala	Ala	Leu	Thr	Pro	His	Pro	Pro	
CAA	AAA	CAG	GCG	TAT	GGT	GTG	ACA	TTA	CCC	ACT	TCA	GTA	CTG	TTT	ATT	GCC	
Gln	Lys	Gln	Ala	Tyr	Gly	Val	Thr	Leu	Pro	Thr	Ser	Val	Leu	Phe	Ile	Ala	
GGA	CAC	GAT	ACT	AAT	CTG	GCA	AAT	CTC	GGC	GGC	GCA	CTG	GAG	CTC	AAC	TGG	
Gly	His	Asp	Thr	Asn	Leu	Ala	Asn	Leu	Gly	Gly	Ala	Leu	Glu	Leu	Asn	Trp	
ACG	CTT	CCC	GGT	CAG	CCG	GAT	AAC	ACG	CCG	CCA	GGT	GGT	GAA	CTG	GTG	TTT	
Thr	Leu	Pro	Gly	Gln	Pro	Asp	Asn	Thr	Pro	Pro	Gly	Gly	Glu	Leu	Val	Phe	
GAA	CGC	TGG	CGT	CGG	CTA	AGC	GAT	AAC	AGC	CAG	TGG	ATT	CAG	GTT	TCG	CTG	
Glu	Arg	Trp	Arg	Arg	Leu	Ser	Asp	Asn	Ser	Gln	Trp	Ile	Gln	Val	Ser	Leu	
GTC	TTC	CAG	ACT	TTA	CAG	CAG	ATG	CGT	GAT	AAA	ACG	CCG	CTG	TCA	TTA	AAT	
Val	Phe	Gln	Thr	Leu	Gln	Gln	Met	Arg	Asp	Lys	Thr	Pro	Leu	Ser	Leu	Asn	
ACG	CCG	CCC	GGA	GAG	GTG	AAA	CTG	ACC	CTG	GCA	GGA	TGT	GAA	GAG	CGA	AAT	
Thr	Pro	Pro	Gly	Glu	Val	Lys	Leu	Thr	Leu	Ala	Gly	Cys	Glu	Glu	Arg	Asn	
GCG	CAG	GGC	ATG	TGT	TCG	TTG	GCA	GGT	TTT	ACG	CAA	ATC	GTG	AAT	GAA	GCA	
Ala	Gln	Gly	Met	Cys	Ser	Leu	Ala	Gly	Phe	Thr	Gln	Ile	Val	Asn	Glu	Ala	
CGC	ATA	CCG	GCG	TGC	AGT	TTG	AGA	TCT	CAT	CAC	CAT	CAC	CAT	CAC	TAA	1323	
Arg	Ile	Pro	Ala	Cys	Ser	Leu	Arg	Ser	His	His	His	His	His	His	His	End	

FIG.1B

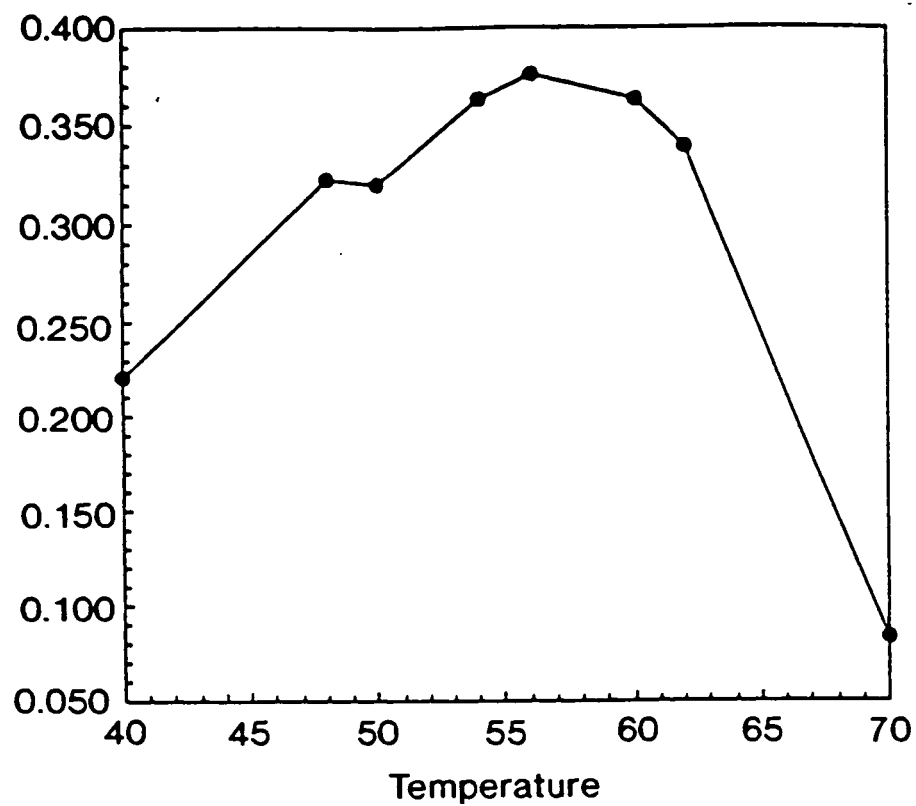


FIG.2A

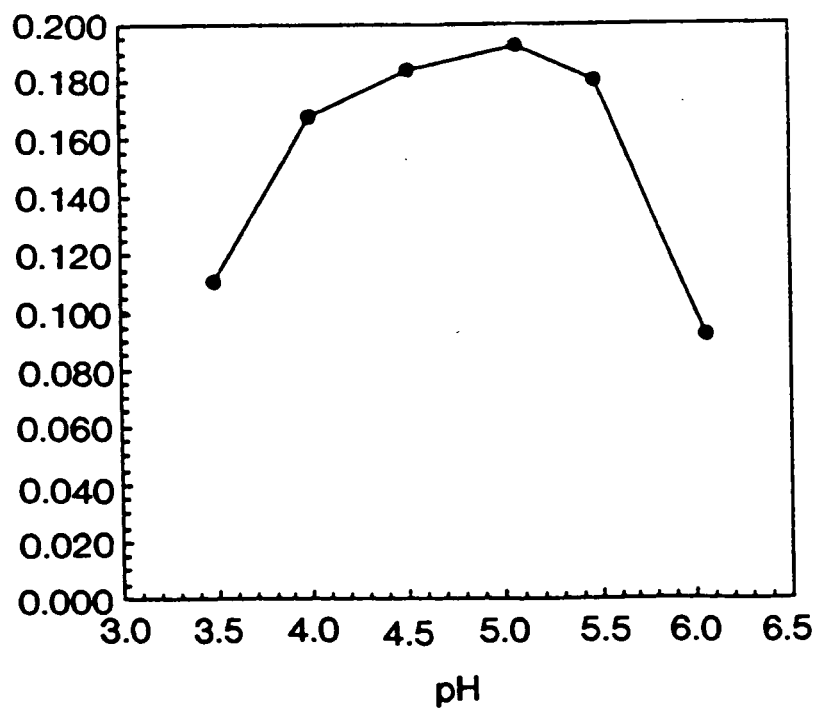


FIG.2B